

What is claimed is:

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1. A method for eliminating a target cell or antigen from the circulatory system of a subject comprising, administering to the subject a complex comprising a first portion which specifically binds Fc α RI expressed on liver Kupffer cells, or which specifically binds monomeric IgA or the Fc region thereof, linked to a second portion which specifically binds the target cell or antigen.
2. The method of claim 1, wherein the first portion of the complex binds a site on Fc α R that is distinct from the binding site for IgA, so that binding of the complex is not blocked by IgA.
3. The method of claim 1, wherein the first portion of the complex comprises monomeric IgA or the Fc region thereof.
4. The method of claim 1, wherein the first portion of the complex comprises an antibody or antibody fragment which specifically binds Fc α RI.
5. The method of claim 4, wherein the antibody is a human or humanized antibody.
6. The method of claim 1, wherein the second portion of the complex comprises an antibody or an antibody fragment thereof which specifically binds the target cell or antigen.
7. The method of claim 1, wherein the target cell is a cancer cell.
8. The method of claim 1, wherein the target antigen is selected from the group consisting of a bacteria, a virus, and a fungus.
9. The method of claim 1, further comprising the step of administering to the subject a cytokine which increases expression of Fc α RI on Kupffer cells.
10. The method of claim 9, wherein the cytokine is selected from the group consisting of GM-CSF, IL-6, IL-1 β , IL-8, and TNF- α .

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35 21. The method of claim 19, wherein the portion that binds Fc α RI
comprises an antibody or antibody fragment.

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22. The method of claim 21, wherein the antibody is a human or humanized antibody.

23. The method of claim 19, further comprising administering to the
5 subject a cytokine which increases expression of Fc α RI on the liver cells.

24. The method of claim 23, wherein the cytokine is selected from the group consisting of GM-CSF, IL-6, IL-1 β , IL-8, and TNF- α .

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